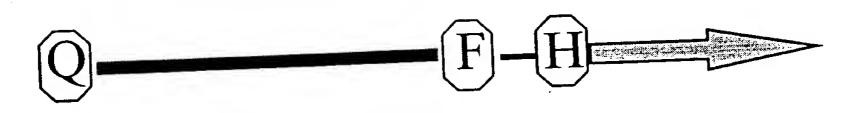
Figure 1



David Mark WHITCOMBE et al.

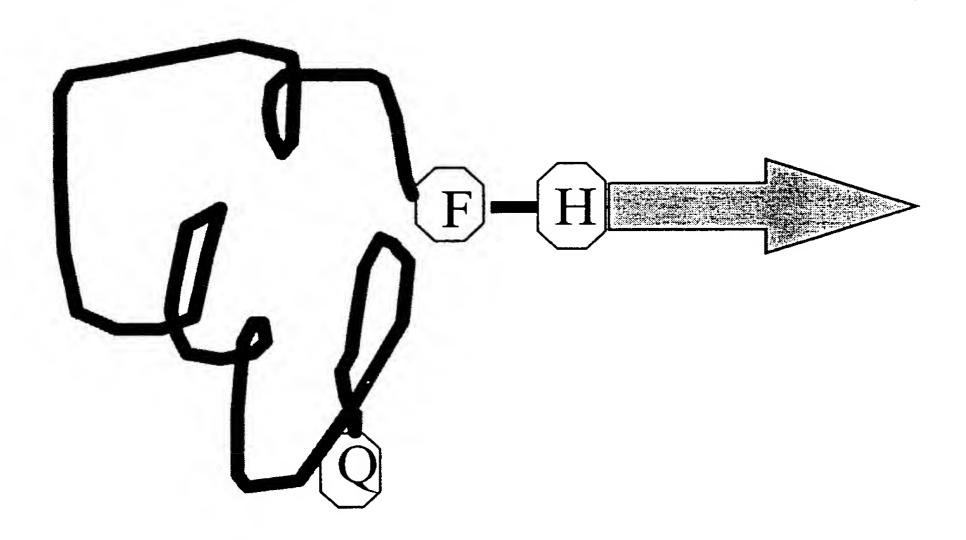
METHODS AND PRIMERS FOR DETECTING TARGET NU

SEQUENCES (as amended)

Atty. Docket No. 1991-211

2/42

Figure 2



ACID

3/42

Figure 3

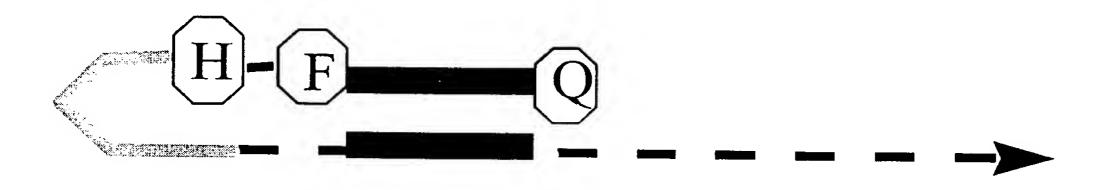
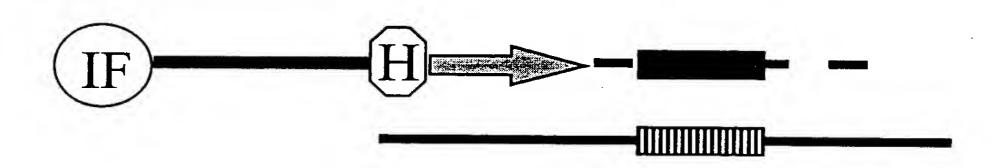


Figure 4



a.

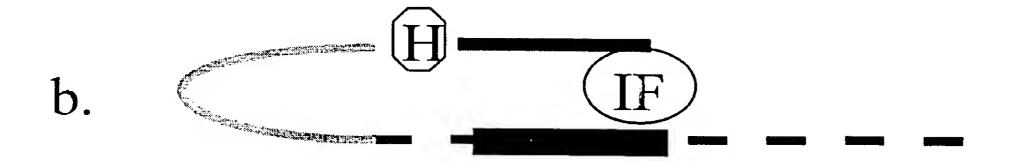
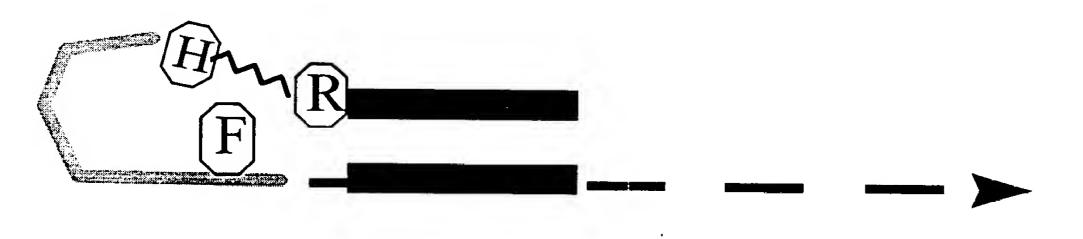


Figure 5



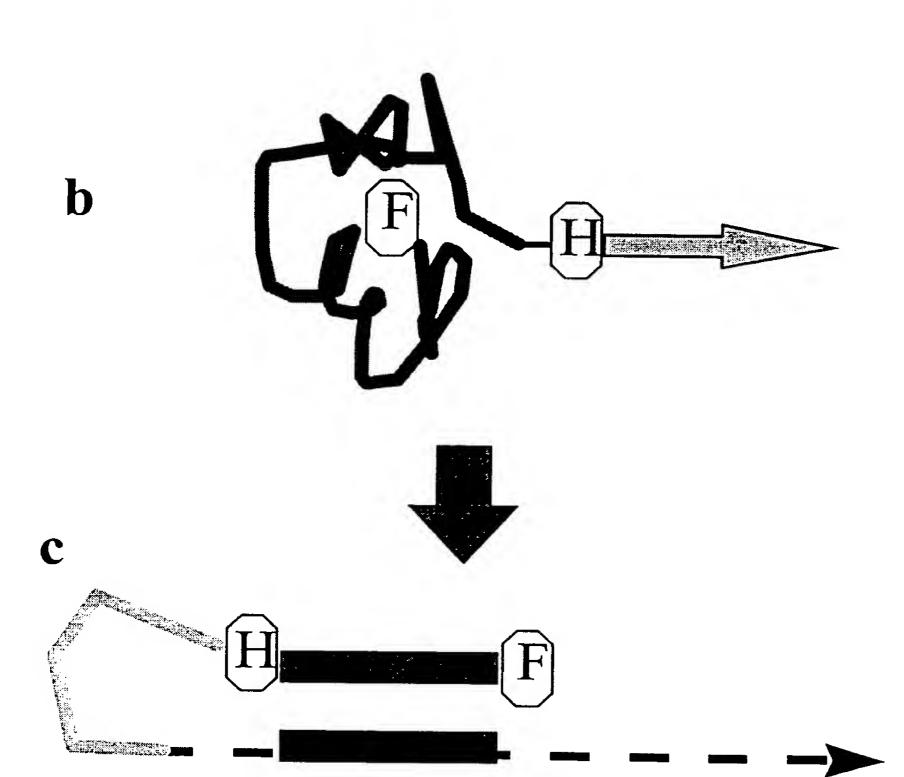
a.



b.







ACID

7/42

Figure 7a

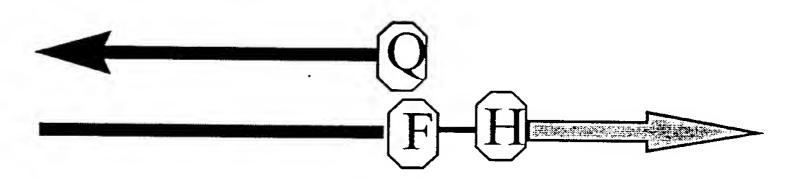
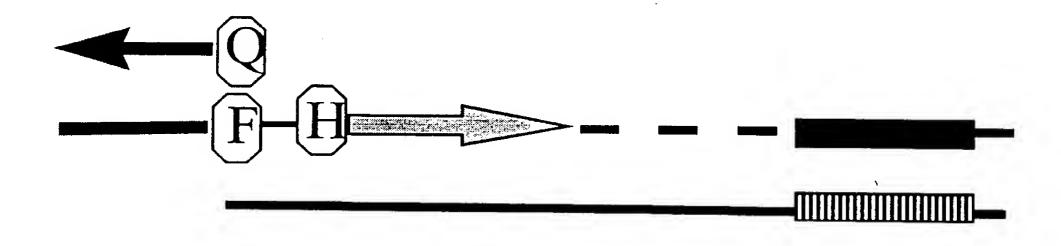


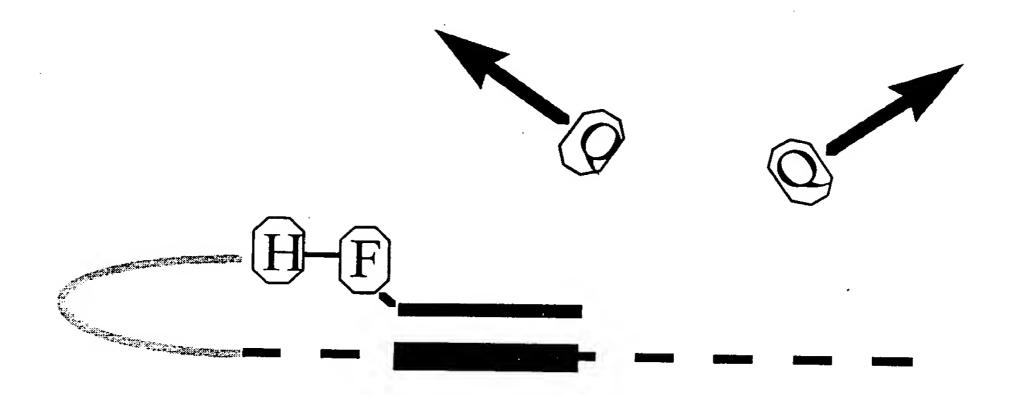
Figure 7b



David Mark WHITCOMBE et al.

9/42

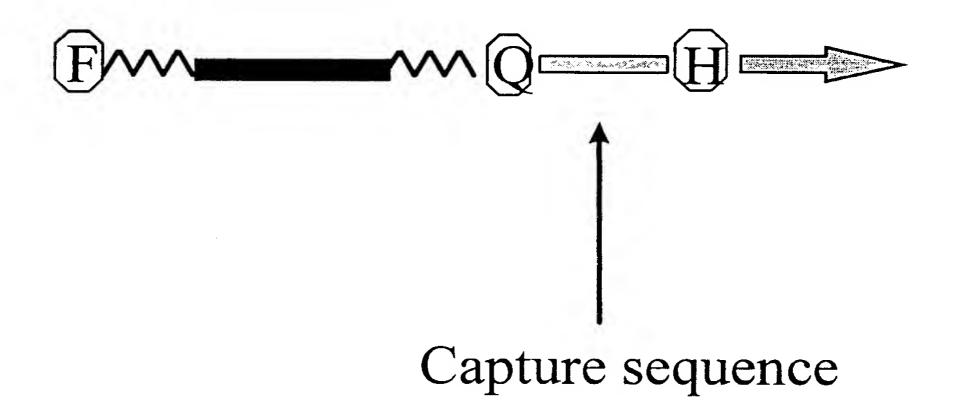
Figure 7c



Atty. Docket No. 1991-211

10/42

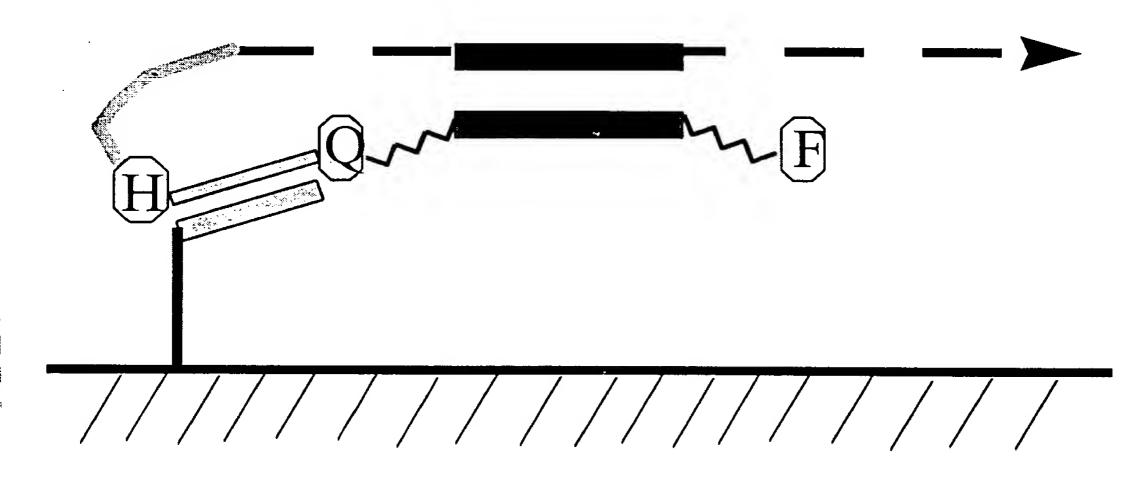
Figure 8a



David Mark WHITCOMBE et al.

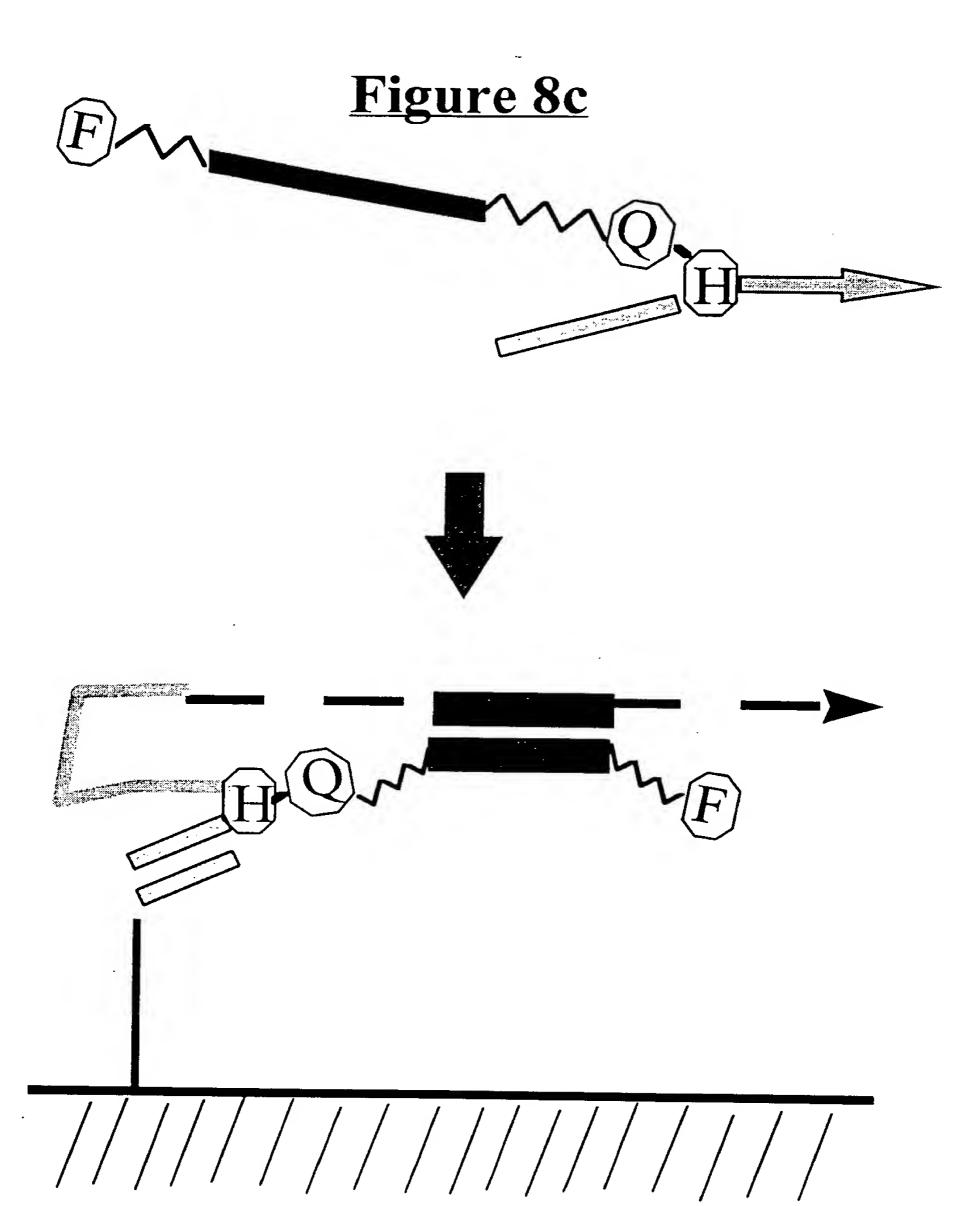
11/42

Figure 8b



David Mark WHITCOMBE et al. Atty. Docket No. 1991-211

12/42



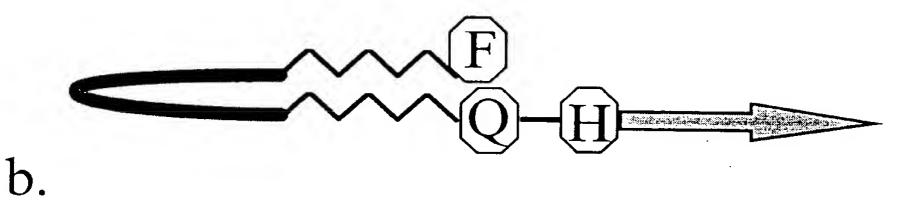
David Mark WHITCOMBE et al.
METHODS AND PRIMERS FOR DETECTING TARGET NUC Atty. Docket No. 1991-211

13/42

Figure 9



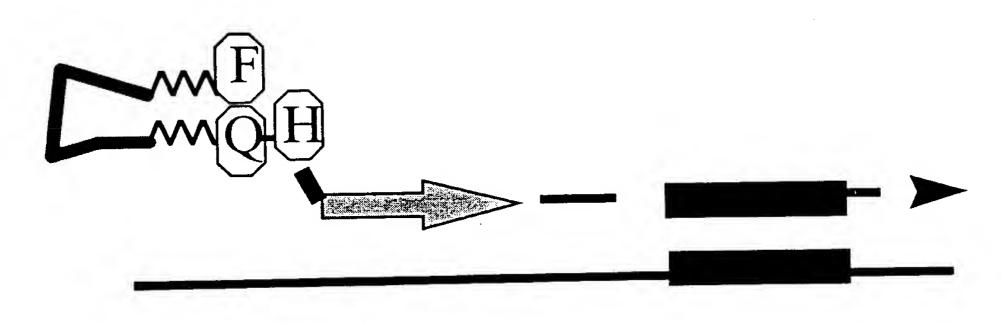
a.



David Mark WHITCOMBE et al.
METHODS AND PRIMERS FOR DETECTING TARGET NU SEQUENCES (as amended)
Atty. Docket No. 1991-211

14/42

Figure 10a



David Mark WHITCOMBE et al. METHODS AND PRIMERS FOR DETECTING TARGET NUC

15/42

Figure 10b

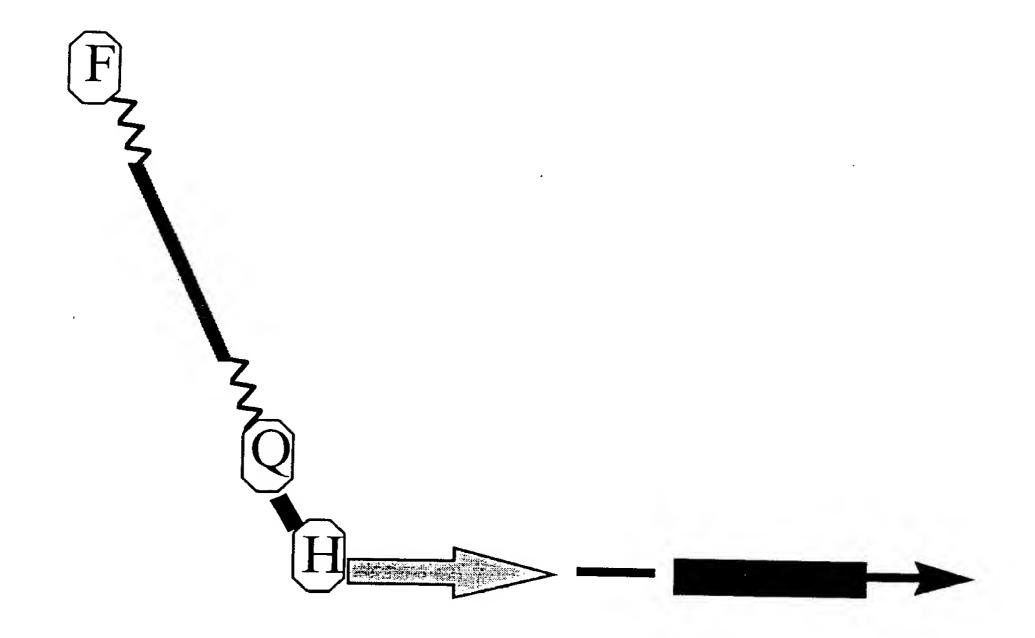


Figure 10c

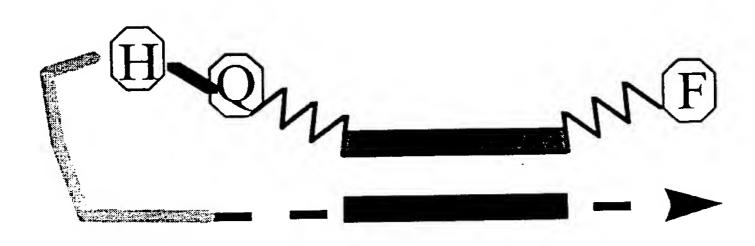
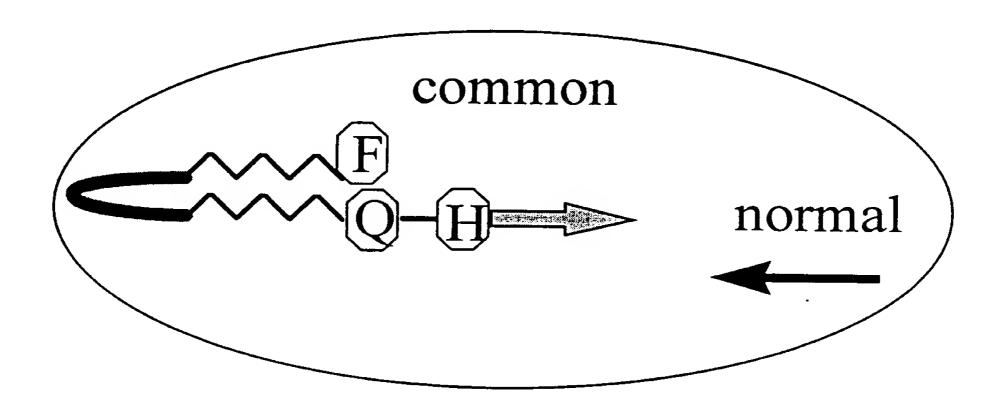


Figure 11a



2-tube test

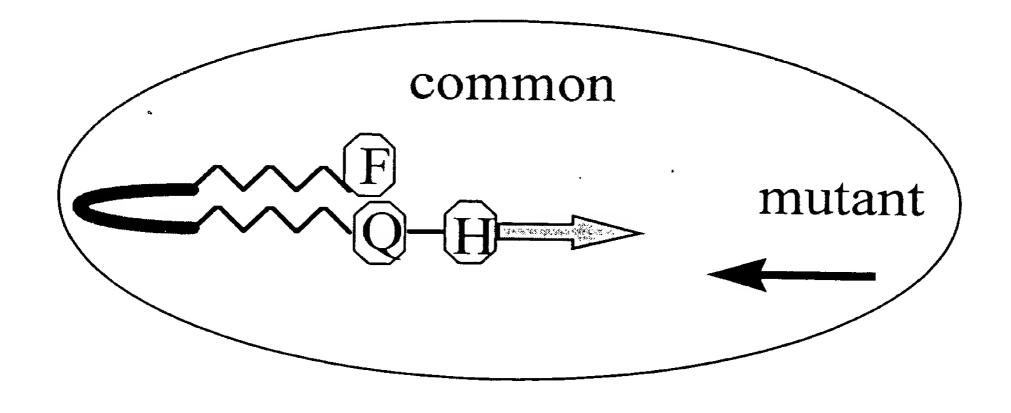
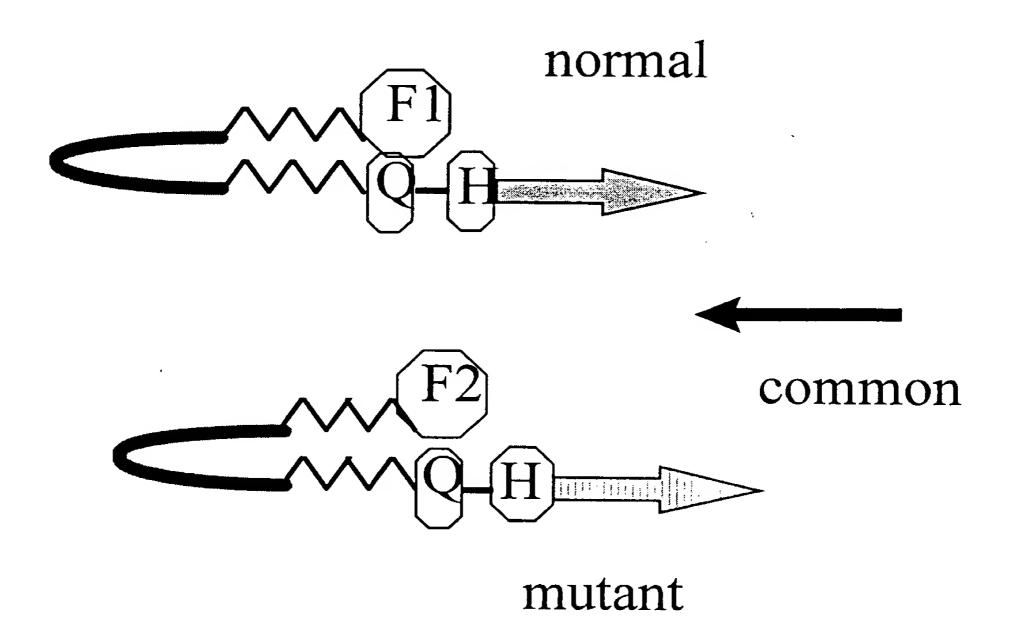


Figure 11b



Single tube test

Atty. Docket No. 1991-211

19/42

Figure 12a

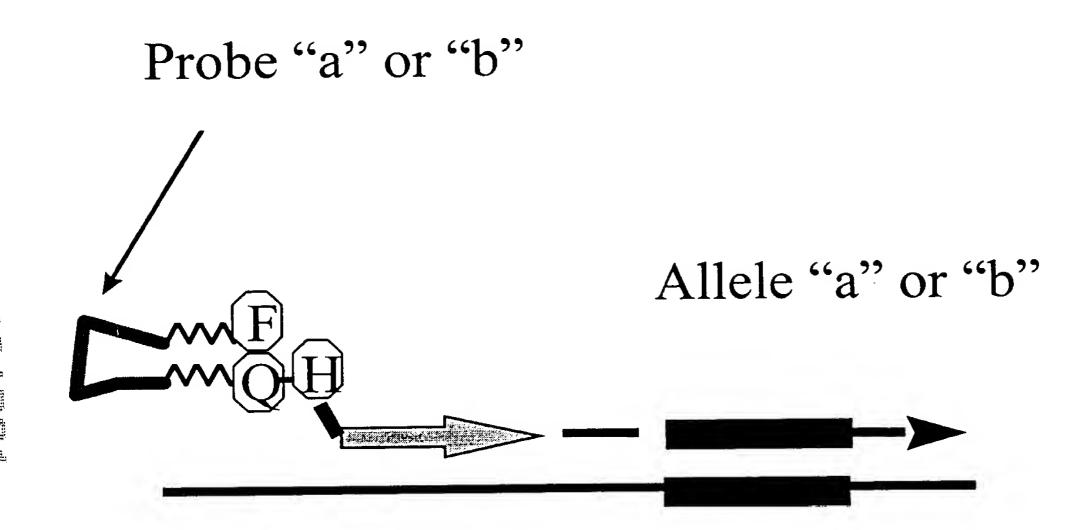
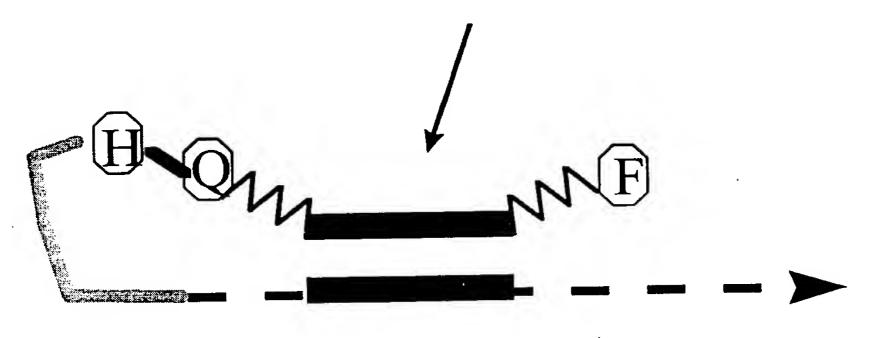
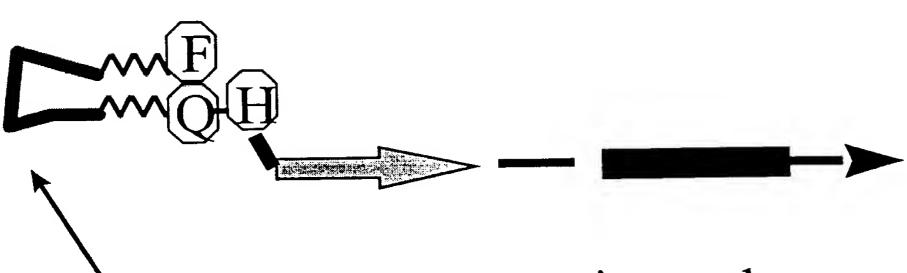


Figure 12b

Probe matches target, fluorophore unquenched



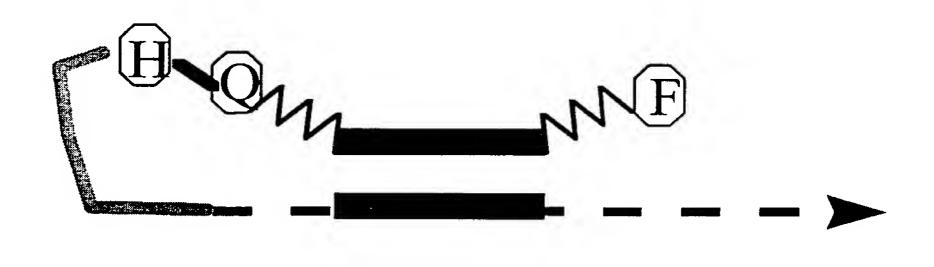
OR



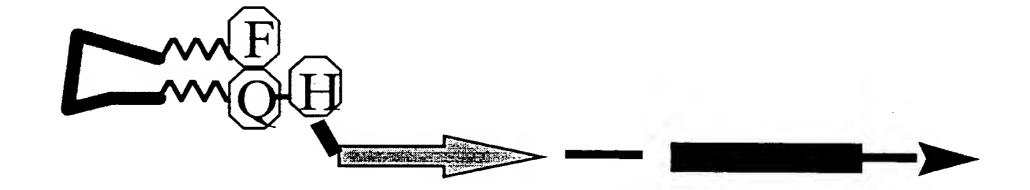
Probe and target mismatch, internally quenched conformation forms

21/42

Figure 12c

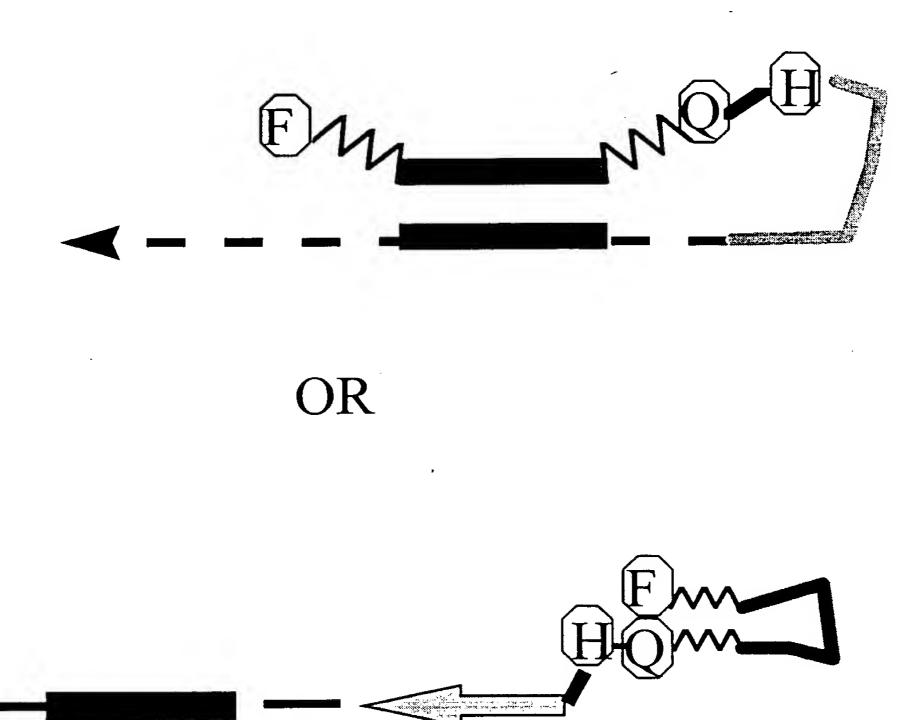


OR



For allele "a" on the forward strand

Figure 12d

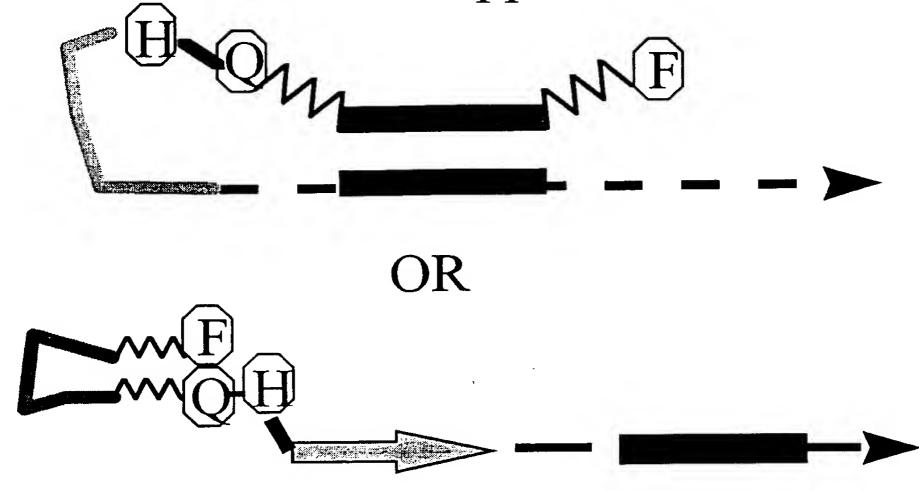


For allele "b" on the reverse strand

23/42

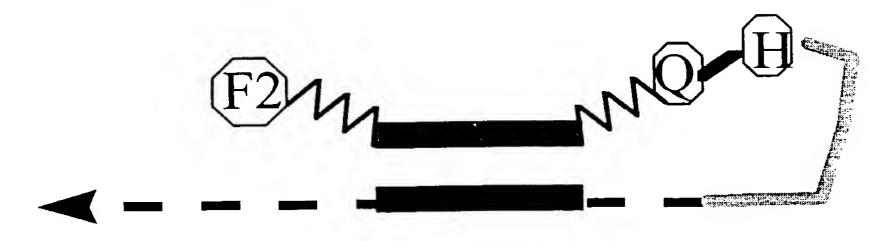
Figure 12e

Allelic discrimination on the upper strand



PLUS

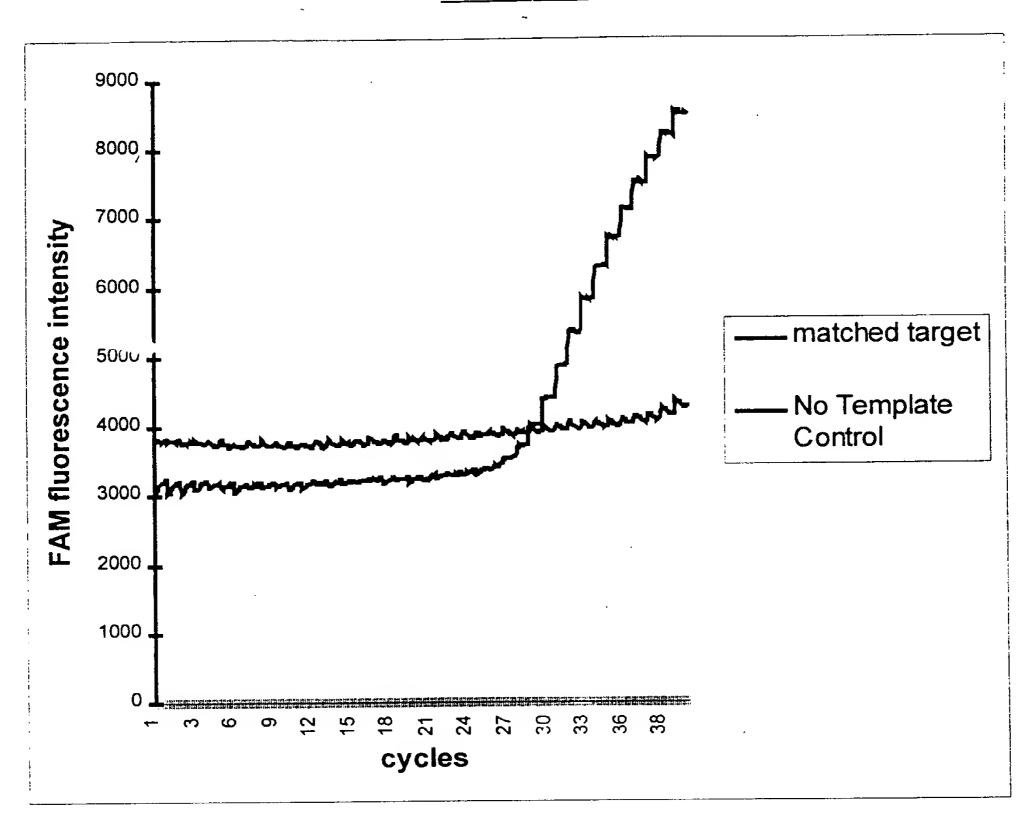
Amplicon control on the other strand using a second fluorophore





24/42

FIGURE 13



25/42 FIGURE 14

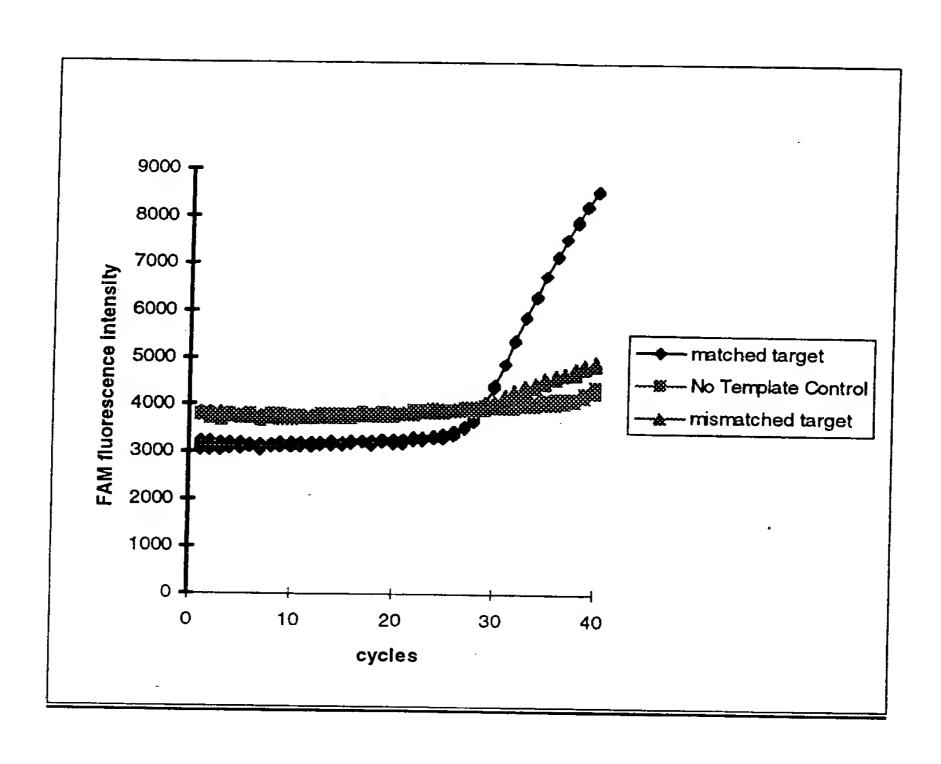
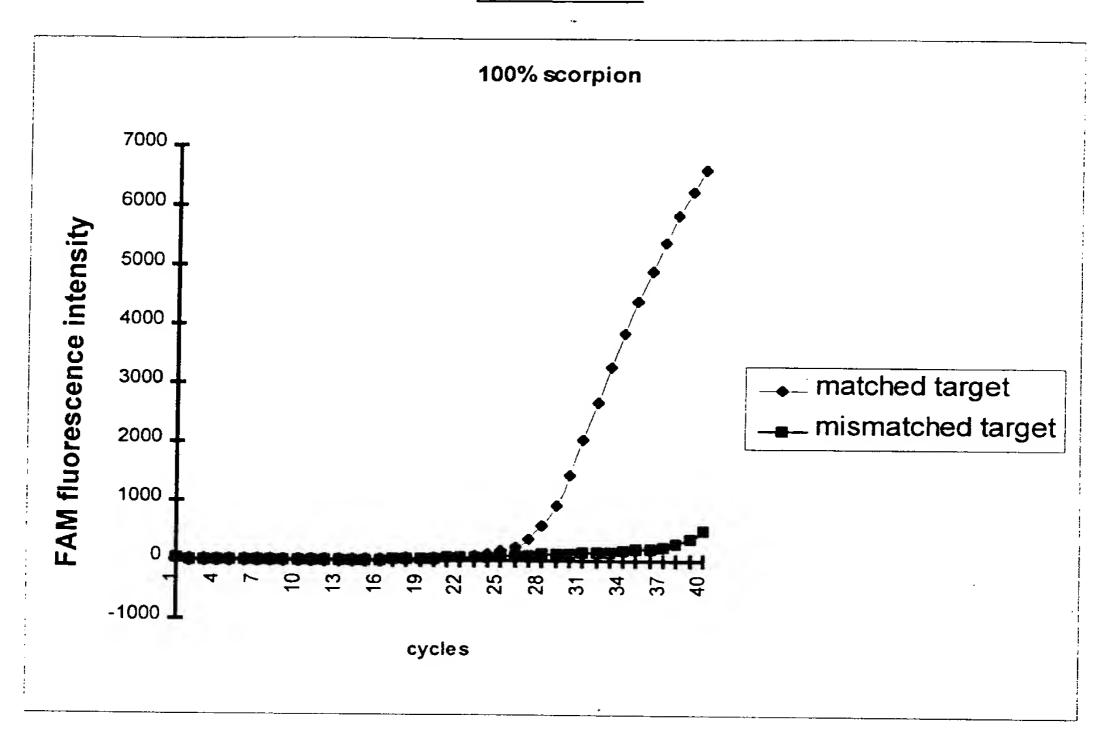
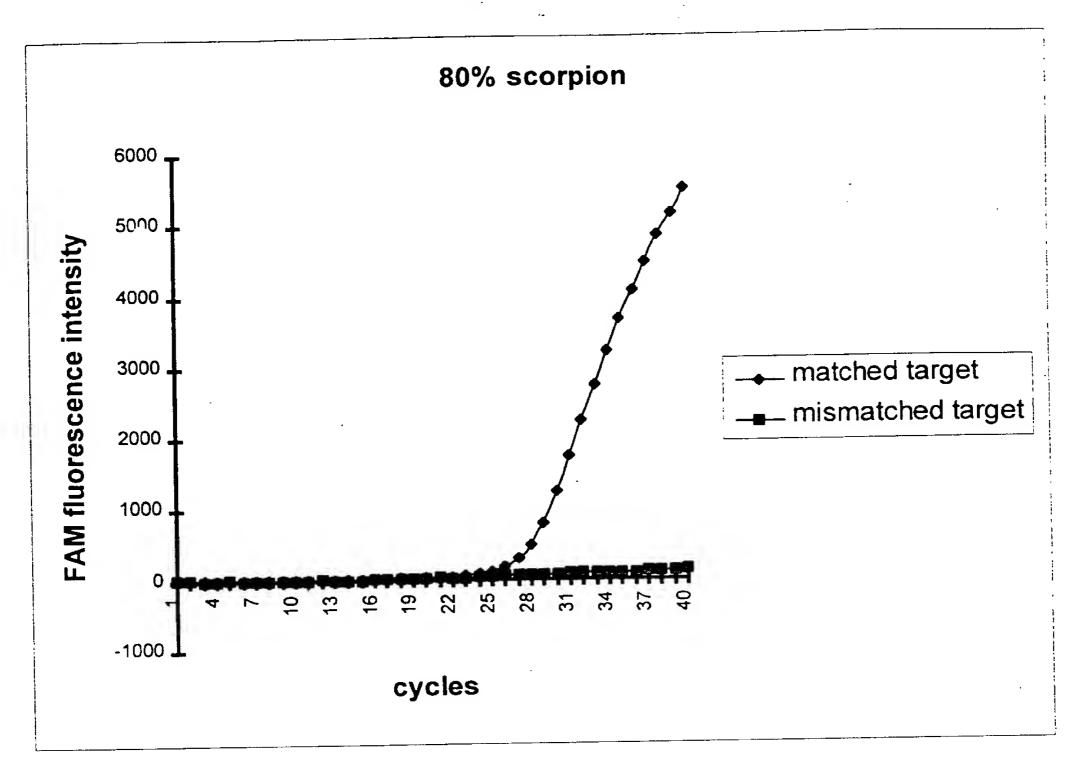


FIGURE 15a

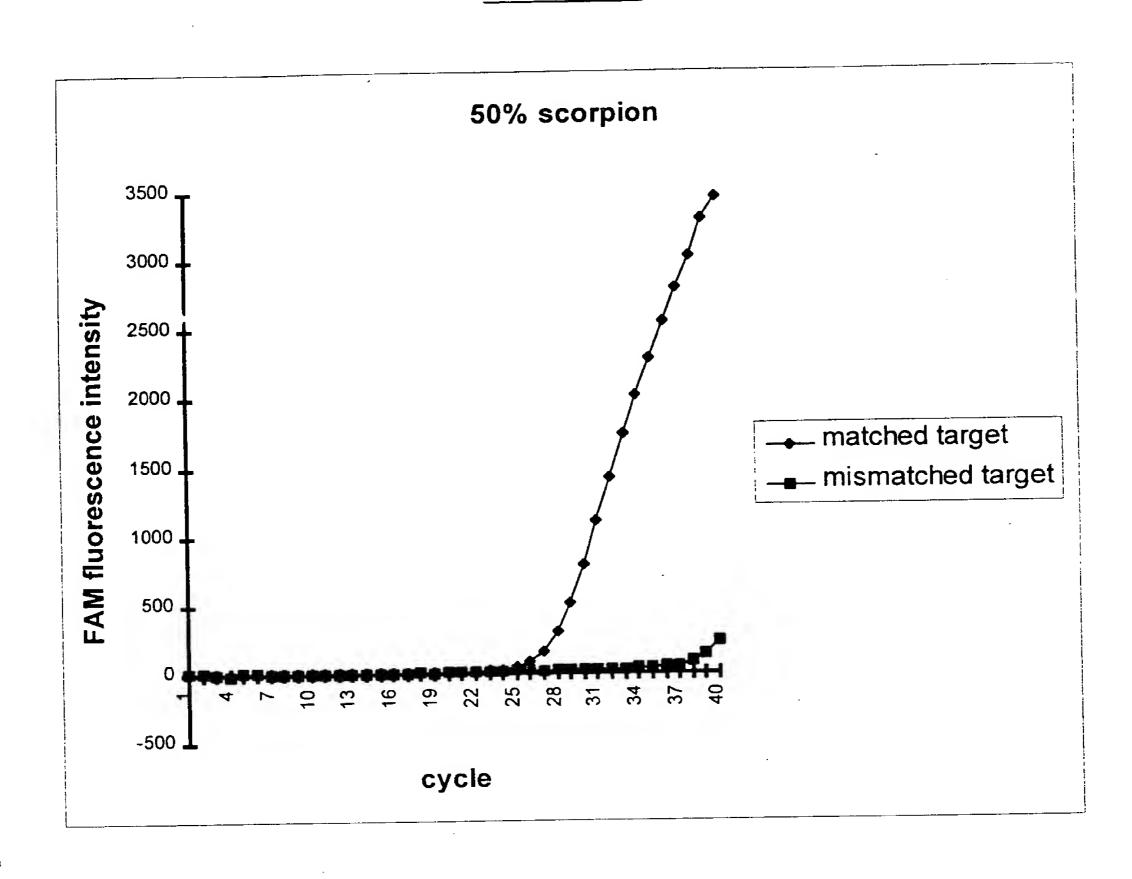


The first state of the first sta

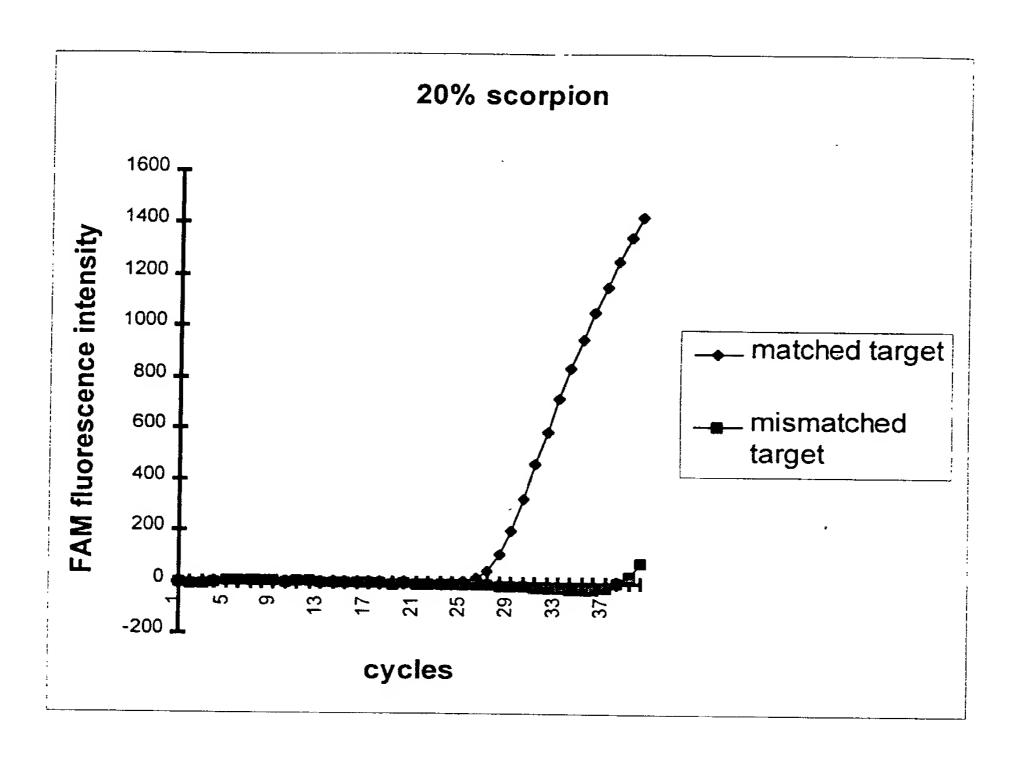
FIGURE 15b



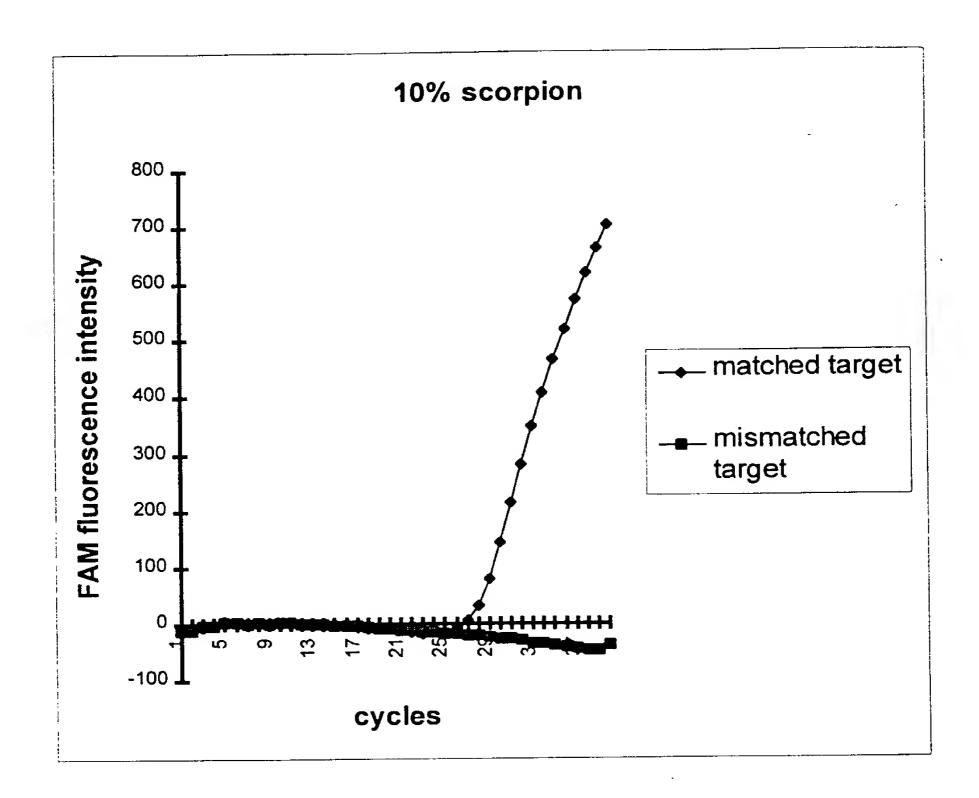
28/42 FIGURE 15c



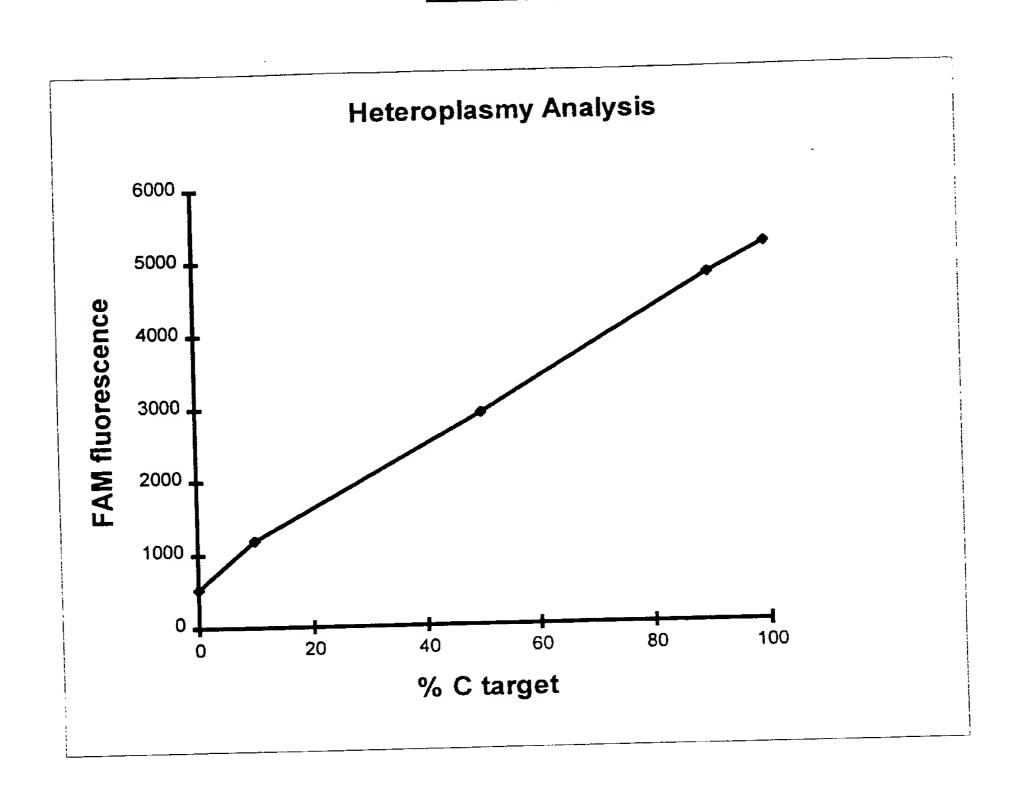
29/42
FIGURE 15d



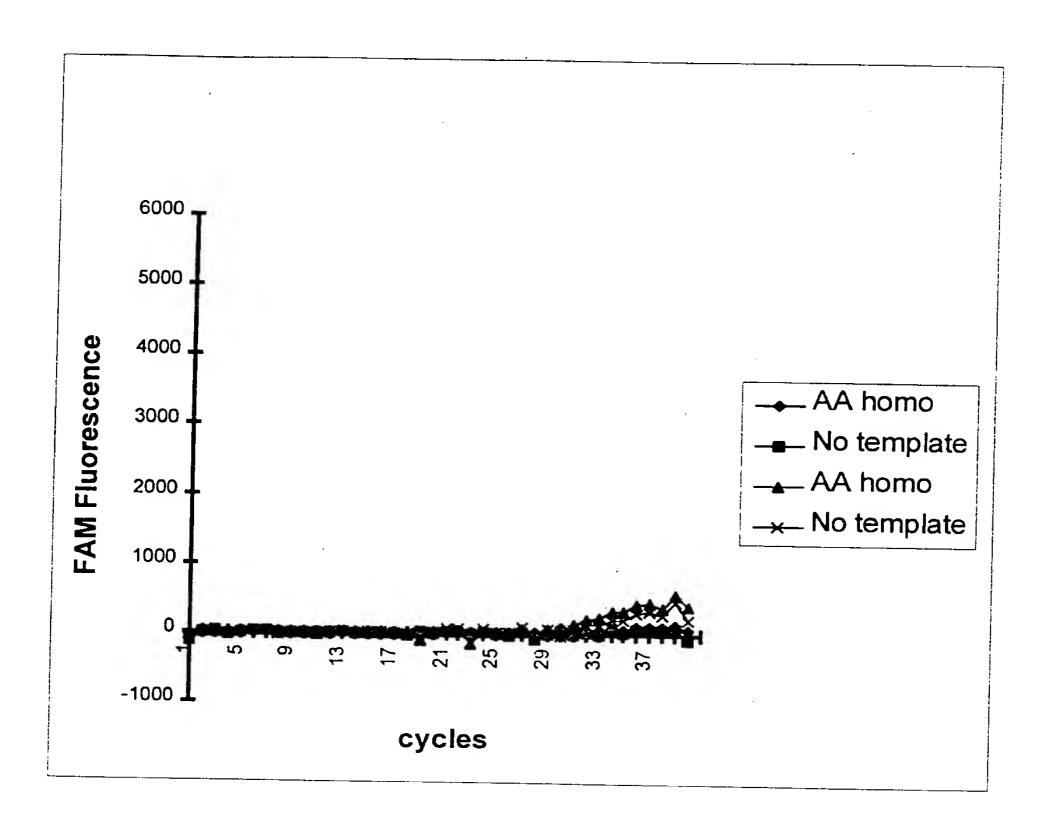
30/42 FIGURE 15e



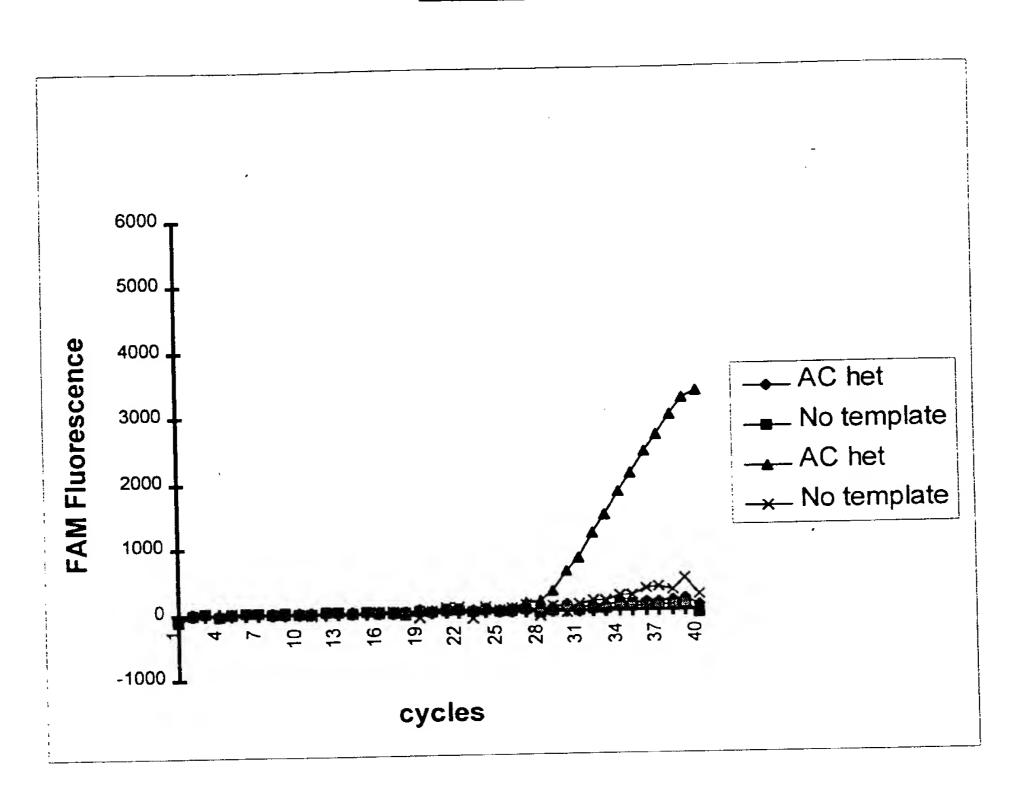
31/42 FIGURE 16



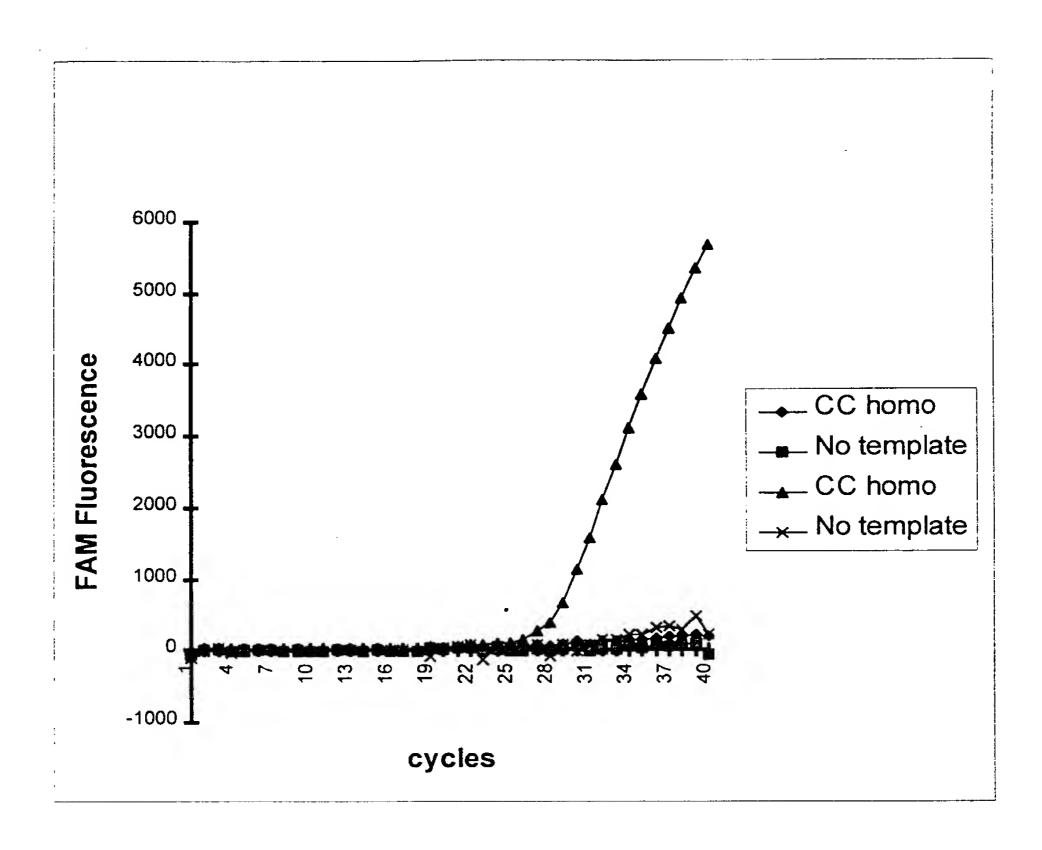
32/42 FIGURE 17a



33/42 FIGURE 17b



34/42 FIGURE 17c



35/42

FIGURE 18

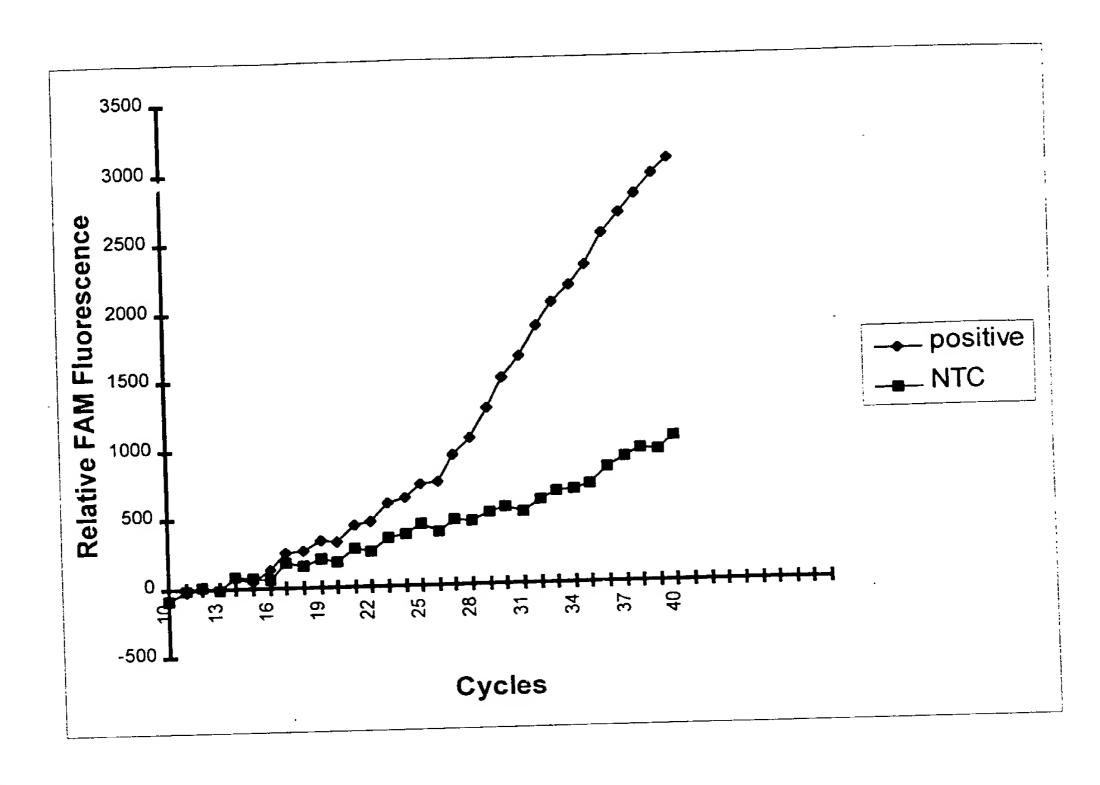


FIGURE 19

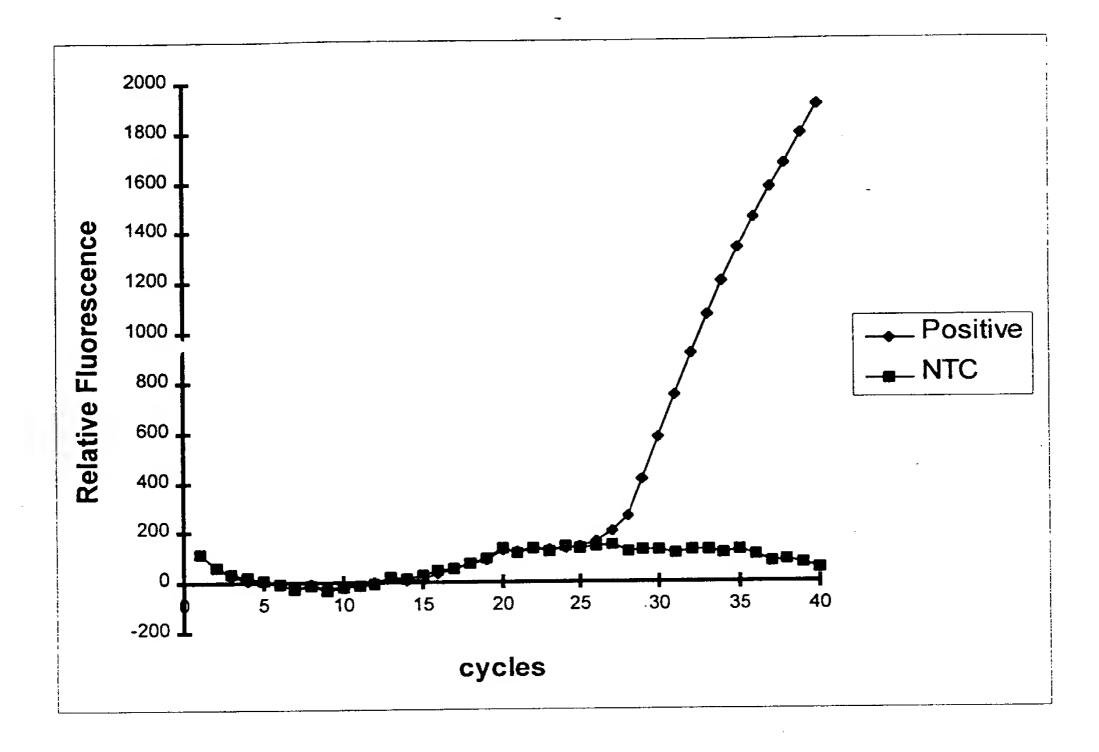
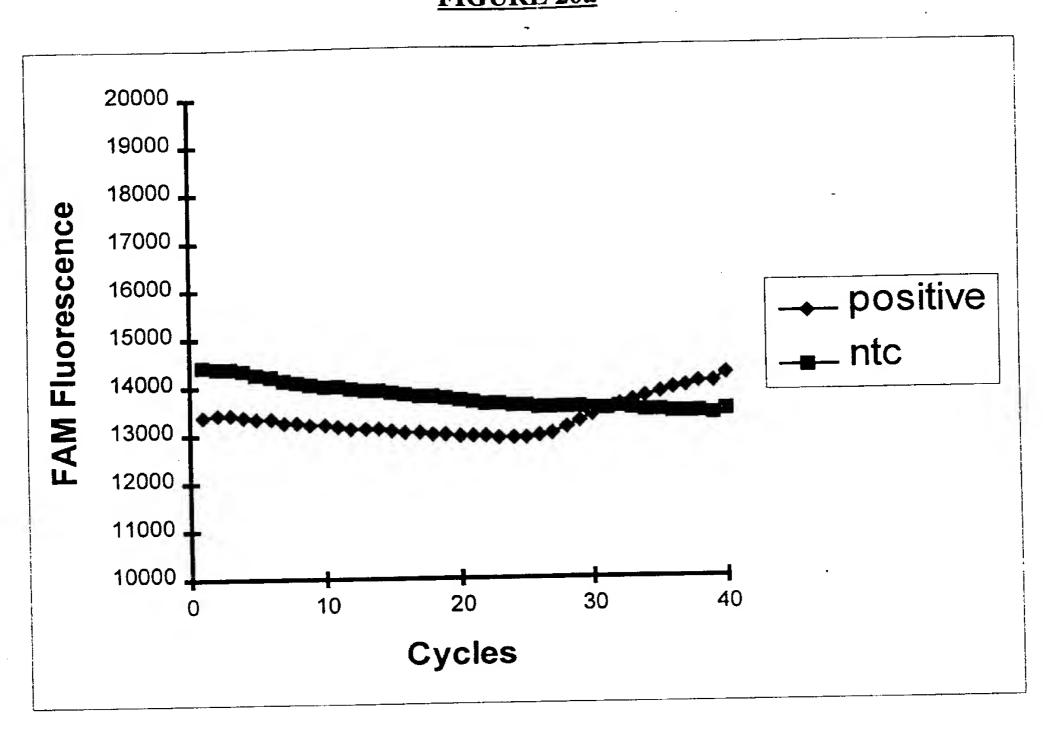
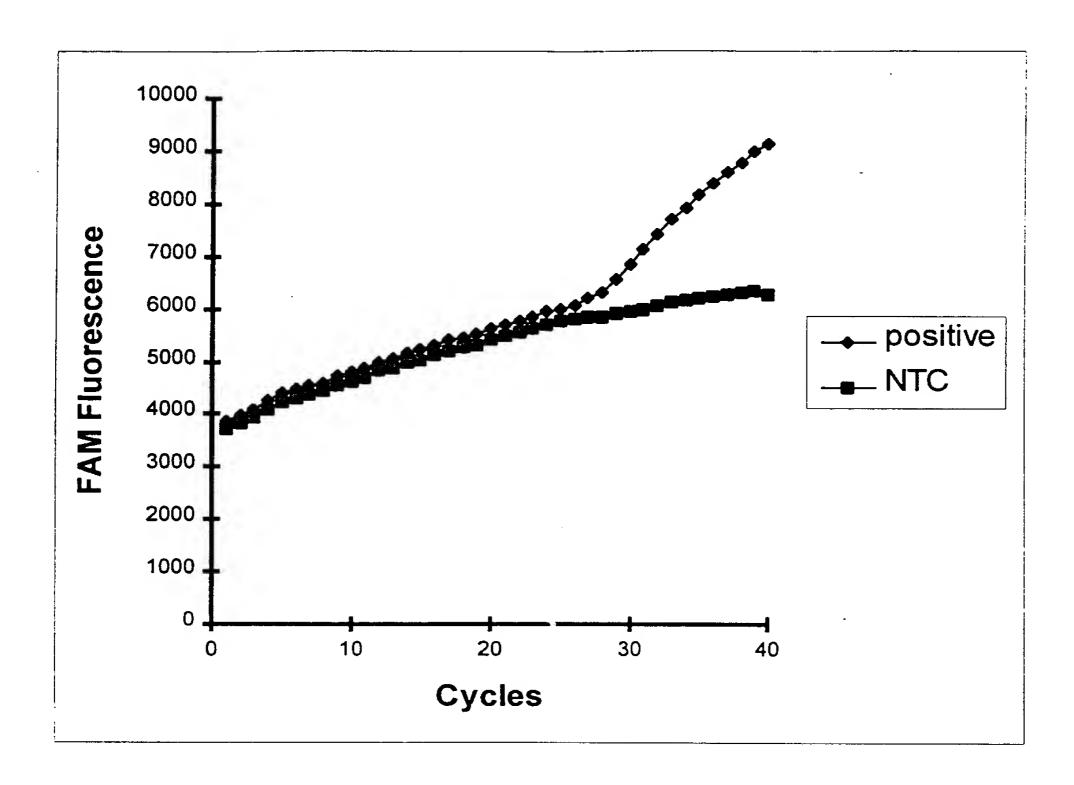


FIGURE 20a



38/42 FIGURE 20b



39/42
FIGURE 20c

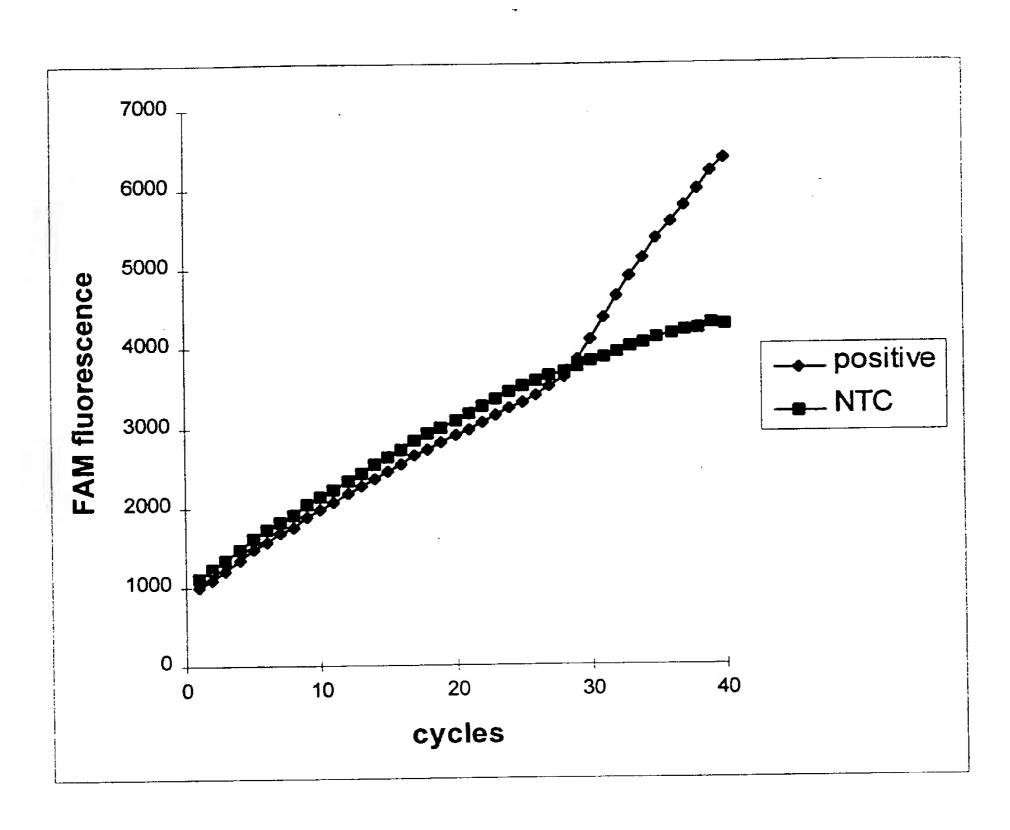


FIGURE 20d

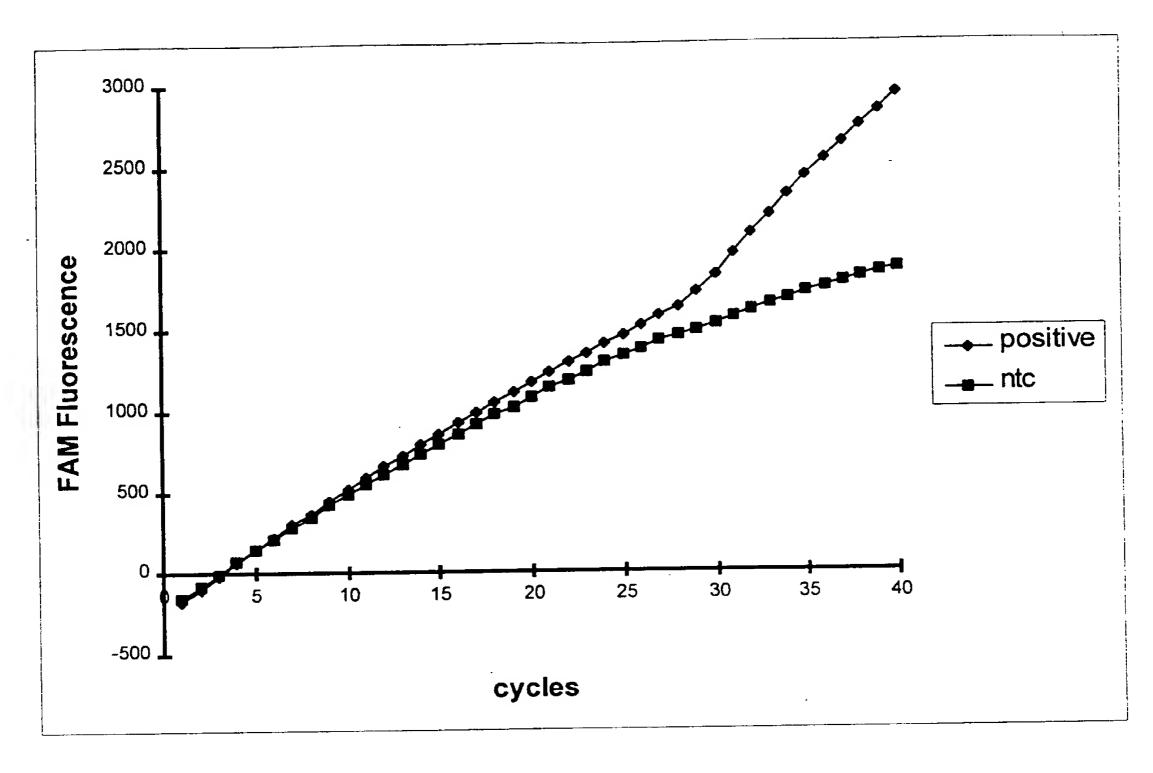
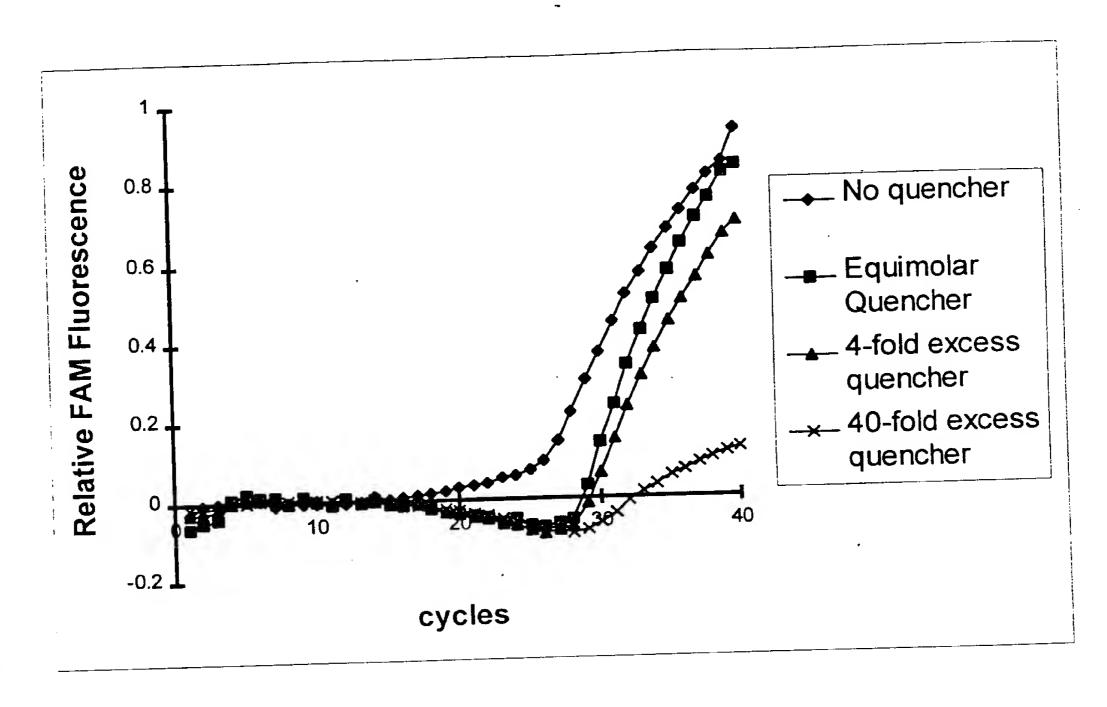




FIGURE 21a



70354

FIGURE 21b

